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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XII, No. 10 HELENA INDEPENDENT-RECORD HELENA, MONTANA **OCTOBER, 1964**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October 1964, averaged 85,459 barrels daily, an increase of 1,243 barrels from the average September production of 84,216.

The nine refineries in state processed 88,305 barrels of crude oil daily for the month of October, 1964, a decrease of 3,863 barrels from the 92,168 barrels processed daily during the month of September, 1964.

During October, 39 wells were completed, 9 oil, 4 gas wells and 26 dry holes.

During October, the commission issued 52 permits to drill new wells, an increase of 7 from 45 permits issued during September.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF OCTOBER, 1964

IN STORAGE OCTOBER 1st:	
By Producers	333,591
By Transporters	1,106,084
By Refiners	682,139
TOTAL STORAGE	2,121,814
Produced in Montana During Month	2,649,257
Imported During Month	1,710,521
TOTALS	6,481,592
DISPOSITION:	
Refined in Montana	2,737,484
Exported	1,701,792
Used for Fuel or Lost	16,613
TOTAL	4,455,889
IN STORAGE OCTOBER 31st:	
By Producers	332,965
By Transporters	1,010,276
By Refiners	682,462
TOTAL STORAGE	2,025,703

NATURAL GAS WITHDRAWALS IN MONTANA

Month of October, 1964

Field	M Cu. Ft.
Bears Den	0
Big Coulee	69,894
Bowdoin	120,312
Bowes	68,902
Cabin Creek	101,197
Cedar Creek	183,184
Cut Bank (Including Reagan	701,089
Devon	0
Dry Creek	115,122
Elk Basin	29,241
Flat Coulee	513
Gold Butte	5,029
Golden Dome	0
Grandview	5,988
Hardin	5,703
Keith Block	193,421
Kevin Sunburst	58,162
Middle Butte	3,841
Mount Lili	36,645
Pine	59,887
Plevna	14,944
Utopia	47,984
Whitlash	84,415
Miscellaneous	39,957
TOTAL	1,945,430

Total withdrawals for October, 1963 were 1,896,406

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PRODUCER'S REPORT—MONTH OF OCTOBER, 1964

Leases	Field	No. of Wells	Storage 1st of Month	Produced Oil	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	407	1,957		1,928		436
5	Bannatyne	9	1,143	668		1,069		742
1	Bascom	1	193	183	188			188
4	Bear's Den	4	1,481	1,955		1,939		1,497
1	Belfry	1	163	363		376		150
1	Benrud	1	542	3,904	3,975			471
1	Benrud East	1	848	13,002	12,872			978
1	Benrud Northeast	1	1,172	12,932	13,516			588
9	Big Wall	26	2,234	19,239	18,925	313		2,235
7	Blackfoot	11	1,142	5,765	2,759	2,613		1,535
1	Bloomfield	1	954	1,379		949		1,384
4	Border	4	93	645		532		206
1	Bowes	61	6,684	15,349	13,703			8,330
3	Bradley	3	644	1,142	809			977
2	Brady	7		805	805			
1	Bredette North	1	332	88				420
2	Cabin Creek	109	6,908	279,715	278,457			8,166
13	Cat Creek	89	2,763	19,101	19,284			2,580
1	Clark's Fork	1	78	236		258		56
1	Clark's Fork North	1	1,256	300		300		1,256
3	Conrad South	5	737	992	1,044			685
1	Cupton	1	546	1,149				1,695
166	Cut Bank	1,077	104,123	169,438	167,032	3,963	299	102,267
3	Deer Creek	5	2,160	5,198	5,434			1,924
1	Delphia	1	159	681		584		256
1	Devil's Basin	1	498	166		166		498
1	Dry Creek	1	989	56		751		294
19	Dwyer	20	10,155	50,880	51,125			9,910
9	Elk Basin	63	4,316	307,709	308,338			3,687
1	Elk Basin Northwest	1	1,181	489		126		1,544
3	Fertile Prairie	3	569	3,668		3,214		1,023
6	Flat Coulee	27	5,207	38,604	39,007			4,804
4	Flat Lake	4	1,635	17,063		16,777		1,921
2	Frannie	2		1,595	1,595			
18	Fred & George Creek	25	1,396	109,397	108,875		132	1,786
1	Gage	1	76	1,021	839		3	255
4	Gas City	28	8,117	75,280	73,187	3,694		6,516
6	Glendive	11	1,084	30,485	19,826	11,055		688
11	Goose Lake	12	9,129	37,380	43,709			2,800
7	Graben Coulee	11	3,827	5,257	4,310	1,029		3,745
1	Grandview	1	540			428		112
5	Gypsy Basin	6	3,078	1,140	1,154			3,064
1	Hibbard	1	142	464		387		219
9	Ivanhoe	14	3,884	23,433	23,869		62	3,386
8	Keg Coulee	21	5,592	29,621	29,868			5,345
149	Kevin Sunburst	810	15,113	42,984	43,850			14,247
2	Little Beaver	24	3,962	25,310	25,692	332		3,248
3	Little Beaver East	19	2,367	22,141	23,195			1,813
2	Lodge Grass	2	727	2,724		2,563		888
3	Lone Tree	3	1,732	4,911		5,631		1,012
26	Lookout Butte	71	3,493	138,534	138,815			3,212
	MacKay Dome		770					770
2	Mason Lake	2	566	1,829		1,801		594
2	Melstone	5	915	3,629	3,604			940
6	Monarch	14	2,283	16,010	15,700			2,593
4	Mosser	4		952		952		
1	Musselshell	1	220	63				283
7	Outlook	12	5,183	33,768	33,254			5,697
2	Outlook South	2	1,614	1,271	1,969			916
64	Pennel	109	4,688	233,278	233,841		454	3,671
4	Pine	130	9,819	332,760	329,486			13,093
4	Pole Creek	7	1,220	3,340		2,337		2,223
73	Pondera	324	7,417	33,165	33,337		40	7,205
2	Pondera Coulee	2		384	384			
5	Poplar East	81	11,760	103,115	104,655			10,220
4	Poplar Northwest	5	1,707	1,987	2,587			1,107
6	Ragged Point	18	2,568	7,944	8,128			2,384
3	Reagan	43	2,035	19,448	18,684			2,799
1	Red Creek	21	4,151	37,428	37,020		406	4,153
1	Redstone	1	324	966	752			538
1	Repeat	1	718	1,822		2,190		350
5	Richey	8	3,199	3,654	2,190	1,449		3,214
4	Richey Southwest	7	3,134	14,123		13,252		4,005
4	Sand Creek	5		7,062	7,062			
1	Shotgun Creek	1	201	1,107		1,095		213
4	Sidney-Brorson	4	2,596	2,394		1,783		3,207
1	Snyder	3	1,963	130				2,093
4	Soap Creek	8	3,251	4,826		4,927		3,150
3	Spring Lake	3	2,877	9,331		8,693		3,515
2	Stensvad	25	4,392	33,129	32,016			5,505
27	Sumatra	91	10,758	100,197	99,989			10,966
5	Tule Creek	7	1,974	43,604	40,032	2,938		2,608
1	Tule Creek East	1		3,114	2,199			915
1	Tule Creek South	1	656	2,958	2,933		87	589
2	Vida	2	753	2,286		2,412		627
2	Volt	2	1,561	7,836	7,697			1,700
14	Whitlash	36	6,084	16,268	15,822			6,530
2	Whitlash West	2	140	444	444			140
2	Wills Creek South	2	1,989	8,492	8,841			1,640
9	Wolf Springs	16	3,437	17,880	16,607			4,710
4	Woodrow	6	597	5,625	5,453			769
1	Wildcat, Glacier Cty	1		1,480		1,208		272
1	Wildcat, McCone Cty	1		3,660		1,638		2,022
827		3,621	333,591	2,649,257	2,540,748	107,652	1,483	332,965

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1963	30,869,653	84,574	30,852,527	84,527
First Quarter, 1964	7,680,757	84,404	7,661,001	84,187
Second Quarter, 1964	7,628,879	83,833	7,643,945	83,999
July, 1964	2,599,071	83,841	2,602,669	83,957
August, 1964	2,600,431	83,884	2,599,179	83,844
September, 1964	2,526,480	84,216	2,534,045	84,468
October, 1964	2,649,257	85,459	2,648,400	85,432

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1963	340,101	926,949	566,444	1,833,494
March, 1964	365,053	1,049,139	688,993	2,103,185
June, 1964	346,150	1,115,235	788,338	2,249,723
July, 1964	341,998	1,024,699	760,181	2,126,878
August, 1964	342,249	1,125,520	739,171	2,206,940
September, 1964	333,591	1,106,084	682,139	2,121,814
October, 1964	332,965	1,010,276	682,462	2,025,703

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF OCTOBER, 1964

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			1,928				1,928		
BANNATYNE—Truck			1,069			1,069			
BEAR'S DEN—Truck			1,939			1,939			
BELFRY—Truck			376				376		
BIG WALL—Glacier Pipeline Co.		18,925				18,925			
McWood Corp.			313			313			
		18,925	313			19,238			
BLACKFOOT—Union Oil Co.		2,759				2,759			
Camerland Cardinal Corp.			2,613					2,613	
		2,759	2,613			2,759		2,613	
BLOOMFIELD—Truck			949				949		
BORDER—Truck			532			532			
BOWES—Texaco, Inc.		13,703				13,703			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	351,049	719,408	40,536	764,487			1,549,090		326,390
Shell Pipeline Co.	5,321	382,150		1,043	2,587			381,880	4,047
	356,370	1,101,558	40,536	765,530	2,587		1,549,090	381,880	330,437
CAT CREEK									
Glacier Pipeline Co.		16,740				16,740			
CLARK'S FORK—Truck			558				558		
CUT BANK									
Darling Gathering System, Inc.	2,039	5,893						5,720	2,212
Glacier Pipeline Co.			4,992	538,286		543,278			
Phillips Petroleum Co.	38,224	50,849		56,452	725	80,622			64,178
Texas Pipeline Co.	14,486	39,304		11,507	221	10,811		37,466	16,799
Union Oil Co.	149,772	64,801		14,691	2,265	113,801		25,668	87,530
Western Oil Transportation Co.	33,842	28,235		43,440	282			70,345	34,890
	238,363	189,082	4,992	664,376	3,493	748,512		139,199	205,609
DELPHIA—Truck			584			584			
DEVIL'S BASIN—Truck			166				166		
DRY CREEK—Truck			751				751		
DWYER—Hunt Petroleum Corp.		52,919					52,919		
ELK BASIN—									
Marathon Pipeline Co.		308,097				308,097			
ELK BASIN NORTHWEST—Truck			126				126		
FLAT COULEE—									
Camerland Cardinal Corp.	3,000	38,695						38,695	3,000
FLAT LAKE—Truck			16,777				16,777		
FRANNIE—Marathon Pipeline Co.		1,595					1,595		
FRED & GEORGE CREEK									
Camerland Cardinal Corp.	3,585	101,319				24,863		61,812	18,229
GAGE—Glacier Pipeline Co.		258				258			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	7,513	48,830			1,646			49,379	5,318
GOOSE LAKE—									
Portal Pipeline Co.		40,354					40,354		
GRANDVIEW—Truck			428			428			
HIBBARD—Truck			387			387			
IVANHOE—Glacier Pipeline Co.		23,869				23,869			
KEG COULEE—									
Glacier Pipeline Co.		29,868				29,868			
KEVIN SUNBURST—									
Big West Oil Co.	5,049	43,850				43,850			5,049
Homestake Oil & Gas Co.	531	2,509		5,720		8,549			211
Texas Pipeline Co.	7,478	15,373			530			11,507	10,814
	13,058	61,732		5,720	530	52,399		11,507	16,074
LODGE GRASS—McWood Corp.			2,563			2,563			
LONE TREE—Truck			5,631				5,631		
MASON LAKE—Truck			1,801			1,801			
MELSTONE—									
Glacier Pipeline Co.		3,605				3,605			
MOSSER—Truck			952				952		
PONDERA—Phillips Petr. Co.	33,877	35,137			(36)	52,201			16,849
POPLAR, BENRUD, BENRUD EAST, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	22,637	217,949			653			227,627‡	12,306
POLE CREEK—Truck			2,337				2,337		
RAGGED POINT—									
Glacier Pipeline Co.		8,134				8,134			
RED CREEK—									
Western Oil Transportation Co.		40,589			406			40,183	
SHOTGUN CREEK—Truck			1,095				1,095		
SIDNEY-BRORSON									
McWood Corp.	4,935		1,783	2,900				3,971	5,647
SOAP CREEK—McWood Corp.	983		4,927	1,599		4,659			2,850
SPRING LAKE—Truck			8,693				8,693		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	421,763	132,067		75,618	1,552	189,847		44,092	393,957
WHITLASH AND WHITLASH WEST									
Homestake Oil & Gas Co.		387				387			
Camerland Cardinal Corp.		14,253				14,253			
		14,640				14,640			
WOLF SPRINGS—									
Glacier Pipeline Co.		16,809				16,809			
WILDCAT WELLS—			2,846				2,846		
TOTALS	1,106,084	2,519,233	107,652	1,515,743	10,831	1,539,504	1,687,143	1,000,958	1,010,276

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest and Wills Creek South.
‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF OCTOBER, 1964

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Texstar Petr. Co.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall				19,238						19,238
Blackfoot									3,495	3,495
Bowes			10,080							10,080
Cat Creek		13,945		6,590		2,795				23,330
Cut Bank		79,044						96,493	108,398	283,935
Delphia						428				428
Devil's Basin						143				143
Dry Creek						45				45
Elk Basin		116,403		78,820	112,225					307,448
Fred & George Creek	24,863									24,863
Gage						337				337
Hibbard						455				455
Ivanhoe					15,156					15,156
Keg Coulee				29,868						29,868
Kevin Sunburst	52,399									52,399
Lodge Grass		2,563								2,563
Lone Tree		3,605								3,605
Mason Lake						1,228				1,228
Melstone				3,604						3,604
Pondera								35,680		35,680
Ragged Point		8,134								8,134
Red Creek					37,020					37,020
Richey, Southwest						1,325	18,538			19,863
Soap Creek		4,659								4,659
Sumatra & Stensvad		20,721		81,969						102,690
Whitlash	14,640									14,640
Wolf Springs					22,057					22,057
Total Montana Oil	91,902	249,074	10,080	220,089	186,458	6,756	18,538	132,173	111,893	1,026,963
Canadian Oil Imported		391,493			5,807				2,605	399,905
Wyoming Oil Imported				449,330	859,130	2,156				1,310,616
Total Montana, Canadian, and Wyoming Oil	91,902	640,567	10,080	669,419	1,051,395	8,912	18,538	132,173	114,498	2,737,484

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1963	32,324	4,255	40,398	76,977
September, 1963	33,132	3,573	43,909	80,614
September, 1964	33,127	12,901	42,277	88,305

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1963	41.99%	5.53%	52.48%
September, 1963	41.10%	4.44%	54.46%
September, 1964	37.51%	14.62%	47.87%